

AWWA 2017 Water Audit Level 1 Validation – Review Document

Validator Provided

Audit Information:

Utility: Marina Coast Water District **PWS ID:** 2710017
System Type: Potable **Audit Period:** Calendar 2017
Utility Representation: Paul Lord, John Bardos, Patrick Green, Derek Cray, Mike Wegley
Validation Date: 9/5/2018 **Call Time:** 11:30am **Sufficient Supporting Documents Provided:** Yes

Validation Findings & Confirmation Statement:

Key Audit Metrics:

Data Validity Score: 58 **Data Validity Band (Level):** Band III (51-70)
ILI: 1.52 **Real Loss:** 26.49 (gal/conn/day) **Apparent Loss:** 3.33 (gal/conn/day)
Non-revenue water as percent of cost of operating system: 1.0%

Certification Statement by Validator:

This water loss audit report has been Level 1 validated per the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34.

All recommendations on volume derivation and Data Validity Grades were incorporated into the water audit. ☒

Validator Information:

Water Audit Validator: Drew Blackwell **Validator Qualifications:** Contractor for California Water Loss TAP

2017 AWWA Water Audit Level 1 Validation

Water System Name:

Marina Coast Water District

Water System ID Number:

#2710017

Water Audit Period:

Calendar Year 2017

Water Audit & Water Loss Improvement Steps:

Steps taken in preceding year to increase data validity, reduce real loss and apparent loss as informed by the annual validated water audit:

- The number of unmetered, residential accounts has been reduced considerably. 288 residential housing units were metered in 2017. Billed Unmetered water consumption (estimated) dropped from 243 AF in 2016 to 190 AF in 2017.
- To more accurately determine customer consumption, an adjustment for lag time in customer meter reading data was made.
- The ongoing, prioritized effort to replace older, failing meter registers continued throughout 2017.
- A calculation was made to determine the net change in distribution storage between January 1st and December 31st.
- A more precise estimate of storage capacity was made.

Certification Statement by Utility Executive:

This water loss audit report meets the requirements of California Code of Regulations Title 23, Division 2, Chapter 7 and the California Water Code Section 10608.34 and has been prepared in accordance with the method adopted by the American Water Works Association, as contained in their manual, *Water Audits and Loss Control Programs, Manual M36, Fourth Edition* and in the Free Water Audit Software version 5.

Keith VanDerMaaten

Executive Name (Print)

General Manager

Executive Position



Signature

9/25/18

Date